| **Coefficient** | **Estimate** | **Est.Error** | **l-95% CI** | **u-95% CI** | **Rhat** | **Bulk\_ESS** |
| --- | --- | --- | --- | --- | --- | --- |
| Intercept | -0.0 | 0.1 | -0.3 | 0.3 | 1.0 | 3,956 |
| Distance Kāneʻohe | 0.9 | 0.3 | 0.3 | 1.4 | 1.0 | 2,521 |
| Distance Kahaluʻu | -0.0 | 0.2 | -0.4 | 0.4 | 1.0 | 3,024 |
| Distance MCBH | -0.2 | 0.3 | -0.7 | 0.4 | 1.0 | 2,582 |

| **Model** | **ELPD difference** | **SE ELPD difference** | **Absolute ELPD** | **SE absolute ELPD** |
| --- | --- | --- | --- | --- |
| Distance | 0.0 | 0.0 | -13.6 | 1.4 |
| Distance + Depth | -1.0 | 0.6 | -14.6 | 1.4 |
| Null Model | -5.3 | 1.4 | -19.0 | 1.2 |

| **Sample** | **Amphi-stegina** | **Hetero-stegina** | **Pene-roplis** | **Alveo-linida** | **Soritida** | **Other Miliolida** | **Ammo-nia** | **Textula-riida** | **Boli-vinida** | **Elphi-dium** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 94.0 | 2.0 | 1.0 | 1.0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 90.9 | 8.4 | 0 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 |
| 3 | 74.2 | 0 | 13.6 | 0 | 12.1 | 0 | 0 | 0 | 0 | 0 |
| 4 | 46.5 | 17.5 | 28.0 | 0 | 4.5 | 2.5 | 0.5 | 0 | 0 | 0.5 |
| 5 | 98.8 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 87.5 | 4.2 | 2.1 | 0 | 6.3 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 25.0 | 0 | 31.3 | 43.8 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 24.1 | 0 | 24.1 | 49.4 | 2.4 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 20.0 | 60.0 | 0 | 0 | 20.0 | 0 |
| 10 | 0 | 0 | 11.1 | 0 | 33.3 | 44.4 | 0 | 0 | 11.1 | 0 |
| 11 | 3.5 | 0 | 7.5 | 0 | 1.0 | 74.0 | 14.0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 3.5 | 0 | 1.0 | 93.0 | 2.0 | 0.5 | 0 | 0 |
| 13 | 0 | 0 | 1.0 | 0 | 0 | 94.0 | 1.5 | 0.5 | 1.0 | 0 |

| **Sample** | **Latitude** | **Longitude** | **Depth** | **Distance Kāneʻohe** | **Distance Kahaluʻu** | **Distance MCBH** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 2150441 | -15780231 | 14.0 | 11.8 | 5.9 | 8.7 |
| 2 | 2149284 | -15779793 | 12.0 | 10.0 | 5.3 | 7.5 |
| 3 | 21475 | -1577988 | 1.5 | 8.1 | 3.8 | 6.2 |
| 4 | 2146843 | -15777818 | 11.0 | 7.6 | 5.5 | 4.2 |
| 5 | 2147446 | -15780177 | 2.0 | 8.0 | 3.5 | 6.4 |
| 6 | 2146235 | -15777739 | 2.0 | 7.8 | 5.5 | 3.6 |
| 7 | 214699 | -1578186 | 5.0 | 7.7 | 1.8 | 7.8 |
| 8 | 214588 | -1578019 | 1.0 | 6.2 | 2.9 | 5.8 |
| 9 | 214566 | -1578009 | 0.5 | 5.9 | 4.9 | 4.3 |
| 10 | 214566 | 1578101 | 0.5 | 5.9 | 3.0 | 5.4 |
| 11 | 21449 | -157782 | 3.0 | 5.4 | 5.1 | 3.5 |
| 12 | 21453 | -157801 | 6.0 | 5.5 | 3.0 | 5.6 |
| 13 | 21431569 | -15778689 | 14.0 | 3.4 | 4.9 | 4.3 |

| **Sample** | **Foram Index** |  |
| --- | --- | --- |
| 1 | 10.0 |  |
| 2 | 10.0 |  |
| 3 | 10.0 |  |
| 4 | 9.7 |  |
| 5 | 10.0 |  |
| 6 | 10.0 |  |
| 7 | 6.5 |  |
| 8 | 5.8 |  |
| 9 | 3.4 |  |
| 10 | 5.4 |  |
| 11 | 2.8 |  |
| 12 | 2.3 |  |
| 13 | 2.0 |  |